

APPENDIX BCOMPARISON OF CLAIM 1 OF 08/236,402
WITH THE PROPOSED COUNT

Appln. No. 08/236,402

Claim 1 (amended)Count

A reagent for preparing a scintigraphic imaging agent, comprising

A peptide comprising

a specific binding compound having a molecular weight of less than 10,000 daltons,

a biological-function domain which causes the peptide to localize at a target site

the compound being covalently linked to

and

a radiolabel complexing moiety

a metal ion-binding domain

having a formula selected from the group consisting of:

I.



wherein (amino acid)¹ and (amino acid)² are each independently any primary α - or β -amino acid that does not contain a thiol group; Z is selected from the group consisting of cysteine, homocysteine, isocysteine, penicillamine, 2-mercaptoprothylamine and 3-mercaptoprothylamine; R¹ is lower (C¹-C⁴) alkyl or covalent linkage to the compound;

which comprises the sequence Gly-Gly-Z or Gly-Gly-Gly-Z wherein Z is selected from the group consisting of cysteine, homocysteine, isocysteine, penicillamine, 2-mercaptoprothylamine, 3-mercaptoprothylamine and D-stereoisomers thereof.

wherein when Z is cysteine, homocysteine, isocysteine or penicillamine, Z comprises a carbonyl group covalently linked to a hydroxyl group, a NR^3R^4 group wherein R^3 and R^4 are each independently H or lower ($\text{C}^1\text{-C}^6$) alkyl, an amino acid, or a peptide comprising 2 to 10 amino acids,

and

II.

$\text{Y-(amino acid)}^2\text{-(amino acid)}^1\text{-NHR}^2$

wherein Y is selected from the group consisting of cysteine, homocysteine, isocysteine, penicillamine, 2-mercaptoacetate and 3-mercaptopropionate; (amino acid)¹ and (amino acid)² are each independently any primary α - or β -amino acid that does not contain a thiol group; R^2 is selected from the group of H, a lower ($\text{C}^1\text{-C}^4$) alkyl, a covalent linkage to the compound;

wherein when Y is cysteine, homocysteine, isocysteine or penicillamine, Y comprises an amino group covalently linked to -H, an amino acid, or a peptide comprising 2 to 10 amino acids; and

wherein the moiety is linked to the compound through R^1 , R^2 , a sidechain group of (amino acid)¹, a sidechain group of (amino acid)², an amino group of cysteine, homocysteine, isocysteine, or penicillamine, or a carboxyl group of cysteine, homocysteine, isocysteine or penicillamine.